

Recombinant Human POU5F1

Catalog No: #GP10656



Package Size: #GP10656-1 100ug

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Description

Product Name	Recombinant Human POU5F1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-150 amino acids of human POU5F1
Target Name	POU class 5 homeobox 1
Other Names	OCT3, OCT4, OTF3, OTF4, OTF-3, Oct-3, Oct-4
Accession No.	Swissprot:Q01860Gene Accession:BC117435
Uniprot	Q01860
GeneID	5460;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a transcription factor containing a POU homeodomain. This transcription factor plays a role in embryonic development, especially during early embryogenesis, and it is necessary for embryonic stem cell pluripotency. A translocation of this gene with the Ewing's sarcoma gene, t(6;22)(p21;q12), has been linked to tumor formation. Alternative splicing, as well as usage of alternative translation initiation codons, results in multiple isoforms, one of which initiates at a non-AUG (CUG) start codon. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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